


		NTSB ID: DEN03LA007		Aircraft Registration Number: N8084D	
		Occurrence Date: 10/14/2002		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Englewood	State CO	Zip Code 80112	Local Time 1520	Time Zone MDT	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Mooney		Model/Series M20J		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On October 14, 2002, at approximately 1520 mountain daylight time, a Mooney M20J, N8084D, was substantially damaged when the landing gear collapsed during landing roll at Centennial Airport, Englewood, Colorado. The private pilot and his passenger were not injured. The pilot/owner was operating the airplane under Title 14 CFR Part 91. Visual meteorological conditions prevailed for the personal cross-country flight that originated from Montrose, Colorado, approximately 2 hours before the accident. No flight plan had been filed.</p> <p>The pilot said that when he put the landing gear down everything "sounded and felt normal," but he had an unsafe gear indication. He made a pass over the airport, and tower personnel indicated that all three landing gear appeared to be down and locked. The pilot requested that a mechanic (familiar with Mooney aircraft) watch him fly-by and give him his opinion on the landing gear problem. The mechanic said that "everything looked great and that ninety five percent of the time, the problem was an indicator problem, not an actual mechanical failure. Although the unsafe light was still illuminated, the pilot decided to land. During the landing roll, the gear collapsed and the airplane exited the south side of runway 28 into the dirt. The bulkhead at station 53 was bent, and the prop and engine were also damaged.</p> <p>According to the pilot's accident report, the reason for the collapse of the landing gear had not been determined.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: DEN03LA007			
		Occurrence Date: 10/14/2002			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name CENTENNIAL	Airport ID: APA	Airport Elevation 5883 Ft. MSL	Runway Used 28	Runway Length 4904	Runway Width 62
Runway Surface Type: Asphalt					
Runway Surface Condition: Dry					
Type Instrument Approach: NONE					
VFR Approach/Landing: Full Stop					
Aircraft Information					
Aircraft Manufacturer Mooney		Model/Series M20J		Serial Number 24-0894	
Airworthiness Certificate(s): Normal					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 4	Certified Max Gross Wt.	2740 LBS	Number of Engines: 1	
Engine Type: Reciprocating	Engine Manufacturer: Lycoming		Model/Series: IO 360	Rated Power: 200 HP	
- Aircraft Inspection Information					
Type of Last Inspection Annual	Date of Last Inspection 01/2002	Time Since Last Inspection 168 Hours		Airframe Total Time 3969 Hours	
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No		ELT Aided in Locating Accident Site?		
Owner/Operator Information					
Registered Aircraft Owner Tech-Sites Corp.		Street Address 8484 South Valley Highway			
		City Englewood	State CO	Zip Code 80112	
Operator of Aircraft Steven M. Potter		Street Address 11485 Anderson Avenue			
		City Franktown	State CO	Zip Code 80116	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Personal					
<div>FACTUAL REPORT - AVIATION</div> <div>Page 2</div>					

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First Pilot Information																																																																																				
Name		City		State	Date of Birth																																																																															
On File		On File		On File	On File																																																																															
					Age																																																																															
					53																																																																															
Sex: M	Seat Occupied: Left	Principal Profession: Unknown		Certificate Number: On File																																																																																
Certificate(s): Private																																																																																				
Airplane Rating(s): Single-engine Land																																																																																				
Rotorcraft/Glider/LTA: None																																																																																				
Instrument Rating(s): None																																																																																				
Instructor Rating(s): None																																																																																				
Type Rating/Endorsement for Accident/Incident Aircraft? Yes			Current Biennial Flight Review? 08/2002																																																																																	
Medical Cert.: Class 3		Medical Cert. Status: Valid Medical--w/ waivers/lim.		Date of Last Medical Exam: 01/2002																																																																																
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>575</td> <td>530</td> <td>575</td> <td></td> <td>13</td> <td>5</td> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>480</td> <td>472</td> <td>480</td> <td></td> <td>9</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td>123</td> <td>85</td> <td>123</td> <td></td> <td>4</td> <td>3</td> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>62</td> <td>62</td> <td>62</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>36</td> <td>36</td> <td>36</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>2</td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	575	530	575		13	5	4				Pilot In Command(PIC)	480	472	480		9	2	1				Instructor	123	85	123		4	3	3				Last 90 Days	62	62	62				1				Last 30 Days	36	36	36								Last 24 Hours	2	2	2							
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Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No																																																																																
				Second Pilot? No																																																																																
Flight Plan/Itinerary																																																																																				
Type of Flight Plan Filed: None																																																																																				
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																															
Montrose		CO	MTJ	1330	MDT																																																																															
Destination		State	Airport Identifier																																																																																	
Same as Accident/Incident Location			APA																																																																																	
Type of Clearance: Unknown																																																																																				
Type of Airspace: Class C																																																																																				
Weather Information																																																																																				
Source of Briefing:																																																																																				
No record of briefing																																																																																				
Method of Briefing: Unknown																																																																																				


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			Occurrence Type: Accident		

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
APA	1453	MDT	5883 Ft. MSL	NM	Deg. Mag.
Sky/Lowest Cloud Condition: Few			17000 Ft. AGL		Condition of Light: Day
Lowest Ceiling: None			Ft. AGL	Visibility: 10 SM	Altimeter: 30.17 "Hg
Temperature: 15 °C	Dew Point: -11 °C	Wind Direction: 60		Density Altitude: 7035 Ft.	
Wind Speed: 7	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV)	SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage: Substantial		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers				1	1
- TOTAL ABOARD -				2	2
Other Ground					
- GRAND TOTAL -				2	2

FACTUAL REPORT - AVIATION	Page 4
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 <p>National Transportation Safety Board</p> <p>FACTUAL REPORT</p> <p>AVIATION</p>	NTSB ID: DEN03LA007	
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	Occurrence Type: Accident	
Administrative Information		
<p>Investigator-In-Charge (IIC)</p> <p>James F. Struhsaker</p>		
<p>Additional Persons Participating in This Accident/Incident Investigation:</p> <p>Brian Richardson Air Carrier Maintenance Inspector Denver Flight Standards District Office 26805 East 68th Avenue, Suite 200 Denver, CO 80249</p>		
<p>FACTUAL REPORT - AVIATION</p> <p>Page 5</p>		